

1901

Texas  
New Mexico





Vernon Bailey

Dept. of Agl.

Washington, D.C.

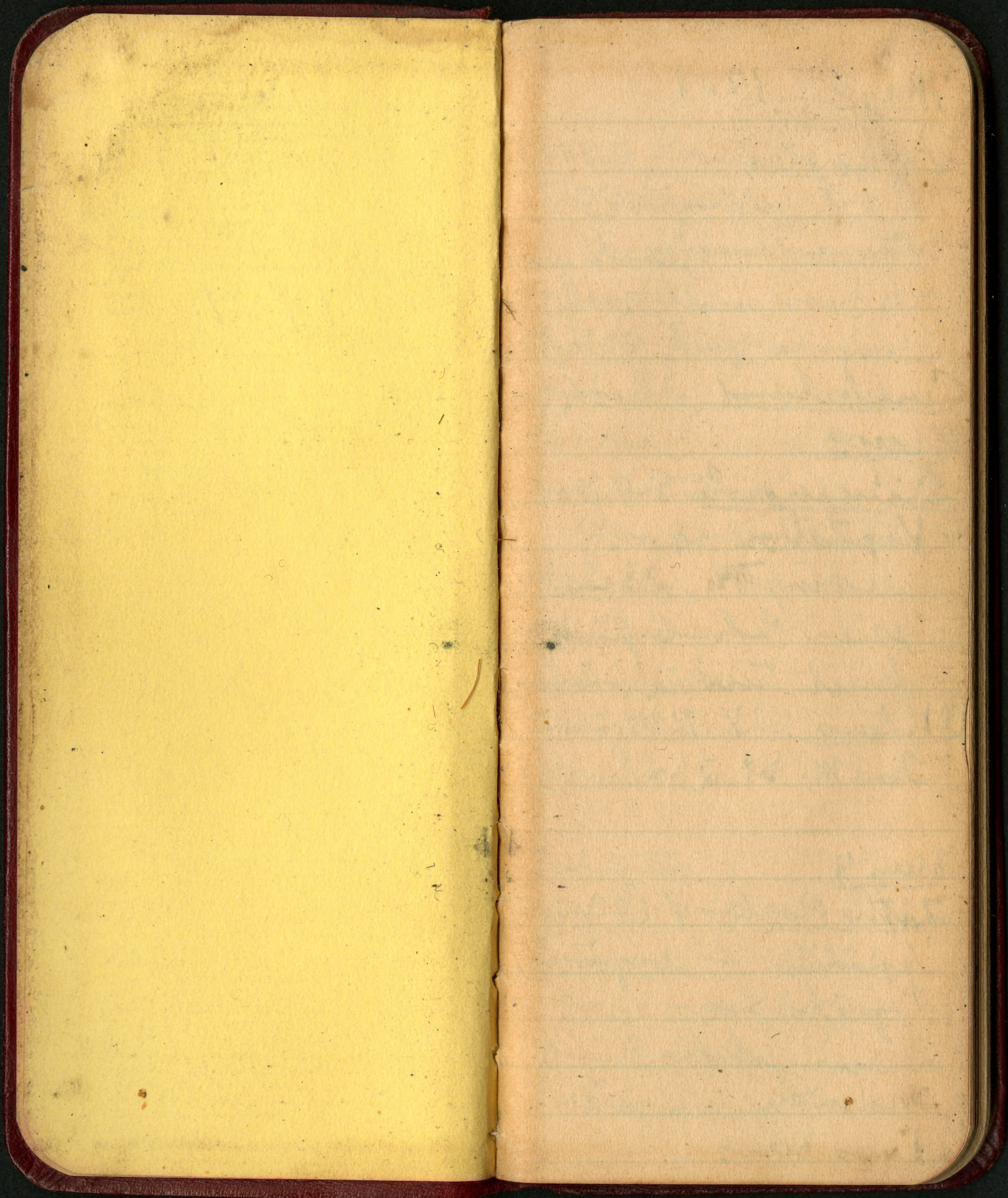
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1901.

House No. 1834.

Kalamazoo Ave.







May 2 1901

Washington — 3.45 PM

B & O for Marathon, Tex.

Cottonwoods & Eucalyptus green  
oak leaves small, Apple  
flowers out. Warm.

Cumberland, dark.

May 3

Cincinnati 8-9 AM

Vegetation about  
Washington, trees  
green. Redbud, plum &  
fruit trees in flower

St. Louis - 7 P.M. & 8:15

From M. St. L. & S.

May 4

Little Rock 7 AM

Taxodium along stream

Liquidambar

Quercus phellos?

Magnolia - in yards

Pinus bda?

Cornus florida in flower

Cottonfields

Sandy soil - mostly

Ungadia

Baptisia leucoptera

Spiders lily in flower

Blackberry in flower

Tradescantia "

Group hills at intervals

Malvern

Visteria

Arkadelpia

Acer & spiders lilies

Gurdon

Palmetto

Aspidodora

Zelazana — 12:30

More oaks - less pine.

Mounds larger

Young's son.



Atlanta

Country more open & rolling

Marshall

Strips of red soil

Longview

Red soil, rolling,

More open country

True lower & scrubby

*Euphorbia pilulata*  
at 20 mi. W. of Longview

E. edge of big prairie  
2 mi. E. of

Wills Point.

a sudden change from  
red soil & scrub timber  
to ~~dark~~ wax sand &  
level prairie

Strips of woods again  
along bottom, some oaks,

a few mesquites - 2

*Milvulus forficatus* near  
Zurill

Mainly prairie -

black & waxy.

a mesquite thicket 3  
mi. West of Zurill.

All prairie to  
Dallas dark.

all prairie to Ft  
Ft. Worth - beyond

May 5.

Daylight hours east of  
Colorado

All smooth mesquite  
plain except breaks near  
Colorado R.

Mesquites, Yuccas,  
Cactus, celtis.

Grass short & not much  
green -

Red soil, sandstone  
ledges along runs



## Colorado

*Milvulus forficatus* 2

*Callipepla squamata* 2 half  
way between C. & Big Spr.

*Sturnella* com

*Zenaidura* abn.

*Colinus* 2

*Otocoris* big flocks

*Hydrochelidon* - 1

*Calamospiza* abn

*Mimus polyglottos*

*Corvus cryptoleucus* 1

*Ardea herodias* at pond

Big Springs 8 AM

open plain half way west  
of Big Springs

## Stanton

dwarf mesquite

geomys hills all along

*Cynomys* - abn.

## Midland

dwarf mesquite plain.

no more prairie dogs.

one small P.D. colony.

## Odessa

Scattered dwarf mesquite.

Red soil, no mesquite plain.

A few prairie dogs.

*Dipodomys spectabilis*

com. half hour west of Odessa

*Neotoma house*  
*Yucca baccata* like - 6-8 ft high

*Larrea*

com.

*Koeberlinia*

"

*Condalia* or *Zizyphus*

*Amphispiza bilineata* 1

Edge of Sand about 40 miles

west of Odessa

Sand hills & dunes

Movabams - right in the dunes

flat country / from soil

Barstow



Barstow

alkali, Saltgrass,  
Citriplex, Larrea,  
Acacia, mesquite,  
green Ephedra,  
Pecos City

Zoyah 1:40

to west edge of Pecos Valley,  
San Martin in foothills

Kenil in the hills.

section house + station + water

Big valley basin -

Van Horn

store + water

up slope to

Allamore - section house

road to north, + S.

Eagle Flat top of mesa  
just a section house

Sierra Blanca 5 P.M.

May 6 To Marathon, 5:12 a.m.

May 7 Marathon 9 a.m.  
Water all along, good grass  
Thompson's corn.

Hayward

Emerson - section house

Dryden, section house, station  
+ P.O. lots of water

Zojies section house  
water

Samuels 2 section houses

Brown little section house

Langtry 2 P.M.

May 8 Langtry to Comstock  
+ back to Dryden -

Putnam baccharifolius

Nicotiana glauca - tobacco tree.



May 9 Dryden

Larrea

Juniperus virginiana?

Altis

Diospyros mex.

Baccharis bigelovii

"

Prosopis juliflora

Acacia constricta

"

Mimosa

Eysenhardtia amorphoides

Condalia

Ziziphys obtusifolia

Ephedra nevadensis

Koeberlinia green -

Rhus microphylla

"

big round leaf

Dasylepis

Nolina

Yucca baccata

" rigida

Agave heteracantha

Dalea purpurea

Linum texanum

~~Portulaca angustifolia~~

Opuntia engelmannii, (dry point)

Cereus

Mammillaria

Echinocactus texensis

"

Lippia loguniensis

Berberis trifoliata

Guaiacum angustifolium

Opuntia leptocaulis

Microrhammus ericoides



May 9 Dryden

• <i>Corvus cryptoleucus</i>	com
• <i>Scelopaphagus</i>	"
• <i>Molothrus</i>	"
• <i>Mimus</i>	"
• <i>Chelidon</i> 1	
• <i>Petrochelidon</i> 2	
• <i>Progne subis</i> 4 ♂	
• <i>Calamospiza</i>	abn.
• <i>Peucaea cassinii</i>	com
• " <i>crenica</i> ?	"
• <i>Scolecophagus</i>	2
• <i>Zenaidura</i>	com
• <i>Cardinalis</i>	3
• <i>Pipilo maculatus</i>	2
• <i>Cyanospiza iris</i>	1
• <i>Zotanus solitarius</i>	1
• <i>Heliodytes</i>	com
• <i>Dendroica aestiva</i>	2
• <i>Empidonax bilineatus</i>	com
• <i>Sylvania</i>	1
<del><i>Parus</i></del>	
• <i>Cathartes</i>	com

• <i>Buteo b. calurus</i>	com
• <i>Spizella</i>	com
• <i>Otocoris</i>	com
• <i>Chondestes</i>	com
• <i>Actitis macularia</i> 1	
• <i>Anthus</i> 3	
• <i>Pucates</i>	com.
• <i>Tyrannus verticalis</i>	1
• <i>Geothlypis macgillivrayi</i> ? 2	
• <i>Xanthocephalus</i>	5



May 10, Camp near Savelerson.

(10 mi E.) in gulch

*Euphorbia secundiflora* canyon

*Forsteria angustifolia* "

*Bumelia angustifolia*? "

*Juglans rupestris* "

*Fallegia* "

*Ceanothus ovatus*

" *foellieri*

*Cercis*



*Opuntia engelmannii*?

" *resinosa*?

" *leptocaulis*

*Baccharis*

*Microrhammus erucoides*

*Yucca b. macrocarpa* dominant

" *glauca stricta* com

" *rigida* a few

*Dasyterion* abn

*Nolina* com

*Schonekeria*

20 mi. Camp 10 mi. W. of Savelerson

May 10

*Calipepla* <sup>*aguanota*</sup> ~~*californica*~~ com

*Vireo atricapillus* "

*Harporhynchus curvirostris*? 1

*Melanerpes formicivorus* com

*Pipilo aberti* ~~*missillensis*~~ 2

*Cardinalis* com

*Cyanospiza cyanea* 1

*Zonotrichia leucophrys* com

*Mimus polyglottos* com

*Leucocena retusa*, orange head

" *pulverulenta*, white head.

*Unguadia speciosa*

*Rhus microphylla*

" *viridis*

*Atriplex canescens*

*Calamospiza* abn.

*Chondestes* com

*Zenaidura* com

*Myiarchus cinerascens* 2

*Anthus* com, at pond

*Phalaenoptilus* com

*Chondestes* "

*Dendroica auduboni*, 1 at pond.



May 11

Camp 10 mi. W. of Sanderson at pond

Pipistrellus

Corynorhinus

Lepus arizonae

Lepus tex

Spermophilus

Peromyscus

Longfellow Noon

Left 15 mi. up over ridge at 4 P.M.

Over ridge

Peromyscus

Peromyscus

Peromyscus

Schizanthus

Opuntia

Camp near Hayward

May 12 Camp 8 miles

Hayward

Nest of Corvus

in grass (big)

of seeds, dry, windy and

with yellow pine needles

dark hair, 5 eggs

Open country over summit

Cyranus begin 5 mi. E of

Marathon 2 P.M.

Speotyto

Sturnella hooperi com in

upper Sonoran zone

Heliodytes, com

Poliophtila (7) 1

Spizella breweri (7) 1

" pallida (7) 1

Bubo (7)

Perceps cassini

Spinus mexicanus? 2 (7)

Seolaeophagus

Molothrus

Agelaius

Otocoris



May 13

Marathon

4440 ft

Petrochelidon

Sayornis nigricans

Otocoris

Sturnella hoopesii

Tyrannus vociferans (7) 2

Flag Camp, 4 mi. S. 4350

Carpodacus frontalis com.

Tyrannus verticalis 1

Sayornis saya

Contopus richardsoni 2

Empidonax traillii

Garrula com.

Piranga cooperi, 1/2

Aquila chrysaetos nest, yg,

3 Eggs, 1 spec. parvidens,

Lepus tex., L. arizonae,

Bones below of Rabbits, P. De,

Urocyon skull

Melospiza lincolni 1

Pipilo chlorurus

Cathartes roost in cottonwood

Zenaidura com.

Aegialitis - along creek,

Aetides macularia

Trochilus alexandri

Pipilo mesoleucus

" arcticus

Tyrannus vociferans 1

Myiarchus 1

Garrula com.

Habia melanocephala 1(7)

Empidonax wrighti 1

Seiurus notabilis 2

Dryobates bairdi com.

Zonotrichia leucophrys 4

Vireo belli 1

Aegialitis

Callipepla squamata

Lanius 2

Minus

Chordeiles harrisi

Geococcyx Ticks

Contopus borealis 1

Corvus cryptoleucus, com.

" sinuatus 2



near Marathon

May 13 -

- *Populus monilifera*?
- *Salix*
- *Cephalanthus*
- *Glycerhiza lipidota*
- Fallugia*
- *Celtis occidentalis*
- Citriplex canescens*, scarce
- *Juglans rupestris*, a few.
- *Mimosa biuncifera*
- *Mimosa borealis*?
- 336 " "
- *Hoffmannia*
- *Prosopis juliflora* a little.
- *Larrea* rare
- *Zizyphus* com.
- *Condalia*? scarce
- *Zippia* in washes
- *Koeberlinia* com.
- Baccharis*
- " "
- " "
- Bigelovia* "

Salvia

Fls. blue

Shrubby

- Fouquiera*, near rocks.
- *Diaspiros mex.* - long cliff
- *Persea hypoleuca*
- *Yucca rigida* a few in flower
- " *stricta* com. no flowers
- " *macrocarpa*, abn. in fruit
- " "
- *Dasyleria* rare
- *Nolina* scarce
- Schoenolirion*? "
- *Agave heterantha*, scarce.
- *Opuntia engelmannii*? scarce
- " *rostr.*? "
- " *arborescens* "
- " *leptocaulis* "
- Manilaria*
- " "
- Cereus*
- " "
- " "
- " "



*Echinocactus texensis* a few.

*Keamaria canescens* scarce

*Dalea purpurea*

*Quercus*

*Ungnadia* along creek a few

*Microseris* scarce

*Acacia constricta* rare

*Rhus microphylla*

*" virens*

May 18 (11 mi. S. to Cottonwood grove)

*Chilopsis*

*Posleria angustifolia*

*Ailanthus pallida*

*Zinnia elegans* - yellow flowers

*Baccharis linearifolia*?

May 19

To Maricopa Gap, 6 mi. 2750

May 19 Cottonwood Grove 4175  
9 AM.

*Icterus bullocki* 2

*Chondestes texensis* com.

~~Camp at Maricopa Gap 6 mi.~~

*Empidonax wrighti*

*Citro Swainsoni*

*Amphispiza bilineata*

*Melospiza cinerea* com.

*Cyanospiza cyanea* 11

*Basileuterus curvirostris* 2

*Spinus mexicanus* 2

*Icterus parisorum*?



May 20 Mariaville Gap 3200

Down valley to windmill 18 mi

Yucca elata in flower

*Lysium berlandieri*

*Caryopteris*

*Nothofagus spatulata*

Over gap in Santiago Mts.

Down to Bone Spr.

Camp - 3 mi. S. of Bone Spr.

3200

May 21 Camp 8 am. 3200

*Lysium pallidum*

McKinney Spr. 3500

Camp above Ernesto 3800

*Poliophtila cerulea*

*" plumbea*

*Icterus parisorum*

*Microtus melanoleucus*

May 22 Camp. 9 AM. 3600

Ernesto

2900

Camp at River

2650

May 23. Camp

2400

*Poliophtila plumbea* com

*" cerulea*

*Myiarchus cinerascens* com.

*Pyrrhuloxia*

*Corvus sinuatus*

*Poocetes g. confinis*

*Amphispiza bilineata*

*Aegialites*

*Colymbus dom.*

*Petrochelidon* & nests.

*Icteria virens*

com

*Mimus*

scarce

*Curriparus pairvips* com. nests.

*Corpodacus frontalis* com

*Cathartes aura*

abn.

*Circus hudsonius*

1



- *Piranga rubra* <sup>intermedia</sup>, 1 ♂
- *Chordeiles texensis* com.
- *Sayornis nigricans* "
- *Catherpes* "
- *Salpinctes* "
- *Hirundo* "
- *Dryobates s. bairdi* "
- *Ardea herodias* 3
- *Sayornis saya* (7)
- *Uruba atrata*, small (8)
- *Stelgadactylus* com.
- *Cardinalis* 1
- *Cyanospiza cyano*
- *Vireo pusillus* <sup>versicolor</sup> <sup>com.</sup> nest (0)
- *Microtus melanoleucus* com (7)
- *Callipepla squamata* com.
- *Amphispiza bilineata* "
- *Icteria virens* 2
- *Amispans flaviceps*, com nest
- *Zenaidura* com
- *Coccyzus* 1
- *Zonotrichia leucophrys* com.
- *Artio. obtusirostris* 1 ♂
- *Purpurea cruenta* (7)

## Boquillas

- *Populus monophylla*
- *Silene nigra*
- *Prosopis juliflora*
- *Acacia farnesiana?*
- " *constricta*
- 330. a few.
- *Mimosa*
- *Baccharis*
- " "
- *Larrea* abn.
- *Leucophyllon*
- *Rhus microphylla*
- *Ziziphus*
- *Condalia*
- *Porteria angustifolia*, com
- *Lyseum berlandieri*
- " "
- " *pallida* bluchaf
- *Lippia laqueata*, in gulches,
- *Mossinia spatulata*, com.
- *Eltis pallida* "
- *Diospiros ix*



- *Chilopsis saligna* scarce
- *Zinnia* stars, on cliff
- *Messtiana glauca*. (tree,  
Common at Boquillas)
- *Prosopis pubescens*. said to be com.
- *Krameria canescens* com
- *Cephalanthus* near P.D.
- *Fouquieria*
- *Opuntia arborescens*
- " *leptocaulis*
- 352. " *like leptocaulis*
- 347. " *spinulosa*
- 348. " *dense black spines*
- " *long spines*
- " *purple pads*
- 343. " *prostratus*, abu.
- 344. " *fragilis*, com.
- *Echinocactus texensis*? *ed. 27*  
com.
- 349. " *pink look*
- 350. " *straight spines*
- " *longihamatus* com.
- " *horizontalis*? *id. 8.*

• *Mammillaria micrantha*.

21. HCO.

• *Cereus* ~~trava~~

22. HCO.

• *stramineus*

• *Erythrocarpus fissuratus* com

• *Agave heteroantha* abu.

" *white leaf*, com.

• *Dasylium*? rare.

• *Yucca macrocarpa* abu.

352

• *elata* *sp. in west*

• *Acaudivaria macrospora*

• Grasses - see collection

• *Atriplex canescens*

• *Ephedra* -



May 31

Zornillo Camp, 9 2200

*Opuntia engelmannii*  
long spines

*Ernst's Store* 2600

*Thomomys vociferans*

*Geococcyx*

dark with white tail

*Strick*

*Hesperomys* 3000

*Leucosticte amoenula* 3500

*Dasygnathus*

June 4000

Camp at well 10 P.M. 4900

June 1 Camp at well 5000

Upper camp 5800

Spring 6000

Falls (bottom) 6200

Top of ridge N. of Camp 7000

June 2 Camp 1 P.M. 5900

Spring 6100

West ridge 7000

Upper part 7500

West fig gulch 5500

Camp at well 6000



Rock Spr. Chaco Mts

*Pinus ponderosa*  
 " *edulis* or *montana*  
 " *flexilis* ?  
*Juniperus flaccida*  
 " *procumbens*  
*Oreocarya grisea*  
 " *montana*  
 " *torreyana*  
 " *undulata*  
 " *oblonga*  
*Quercus grandidentata*  
*Fernandus acutifolia*  
*Arbutus*  
*Ribes cereum*  
*Garrya lindheimeri*  
*Ceanothus*  
 "  
*Prunus americana*  
 " *viridis*  
 " *macrophylla*  
*Cercis*  
*Cercocarpus parvifolia*  
*Ulmus*  
*Fragaria virginiana*

*Clematis*  
*Aquilegia*  
*Pentstemon*  
*Lonicera*  
*Rhamnus purshiana*  
*Gilia* *andersonii*  
*Zauschneria*  
*Ranunculus* ? *montanus*  
*Paeiphyllan* ?  
*Gutierrezia*

*Agave heteracantha*  
 " *big*  
*Yucca* *big*, (1 tree) 362  
 " *macrocarpa* a few  
*Dasylirion* *abundant*  
*Sotolueria* *abundant*  
*Fouquieria* *torreyana* to 7000  
*Opuntia engelmannii* to 7000  
 " *longispina* 6000  
 " *arborescens* 5500  
 " *leptocaulis* 5500



*Mammillaria micrantha?*

" *little white spined*

*Artemisia* red flowers

"

*Echinocactus* [big heads]

*Lilanthus* on rocks 6500

*Yucca retusa*, in gulch 5500

June 8 Camp 9:30, 5900

On ridge 5700

In West Gulch 5200

Left house 5500

Cupressus 11000

*Juniperus procumbens* 5500

*Pseudotsuga* 6500

Highest ridge 8100

Camp 8200

Back to house 5500

June 11 Camp 8:30 8000

Over ridge at 8100

N & S divide 7000

Camp at old Shipton 5300

June 12 up Timber ridge 8200

Killed deer.

Denison camp 8400

June 13 Down to house

back to camp.



# Chaco Mts

*Cathartes aura*, com  
*Zenaidura macroura*  
*Columba* a few  
*Cyrtonyx montezumae*, com  
*Callipepla* 1 pair  
*Buteo* 1 pair  
*Megeceropterus* - 1 pair  
*Buteo calurus*  
*Falco*  
*Phalaenoptilus* - 1  
*Centurus* - 1  
*Trochilus platycercus*  
*Chrysomitris*  
*Cathartes*  
*Geococcyx*  
*Bristle bird* 1  
*Melanerpes formicivorus*  
*Empidonax*  
*Contopus richardsoni*  
*" borealis* 1

*Corvus sinuatus* com  
*Aphelocoma* 4  
*Colaptes auratus*  
*Piranga rubra* (crit.)  
*" cooperi* 2  
*Habia melanocephala*  
*Loxia stricklandi* 6  
*Sporus minor* 7  
*Peucaea arizonae* 11  
*"* 1 pair  
*Pipilo maculatus* 10  
*" arcticus* 7  
*" chlorurus*  
*Vireo stephensi* 1 pair  
*" plumbeus* 1  
*Cathartes* 1  
*Scolecophagus* 1 pair  
*Forster's* 1 pair  
*Parus* 1 pair  
*"* 2  
*Sitta carolinensis* 3



June 16 Left Camp  
Rock Sp. probably same

Strigiform 3300

June 23

Dugout, 8 AM 3700

Newt Sp. noon 3900

Planiceps 1

Pisanga "coopere" 1

Divide 4600

Camp 28 mi. 4100

June 24 Camp 8 4050

Zerlingo Creek 3600

Camp 4000

June 25 Camp 4000

Zerlingo P.O. 4250

Rio Grande about 3000

June 26 Camp 3600

Down Zerlingo Creek

Camp near Rio Grande 3200

June 27 Grand Canyon Rio Grande

4025 miles up

Golden Eagles 2

Bobs

Falco sparverius

Buteo abbreviatus heard (7)

Cathartes aura com

Sayornis saya

" nigricans, nest

Petrochelidon, nests

Microtus melanoleucus <sup>abund.</sup> nests,

Carpodacus

Cathartes com; yg.

Ardea herodias

Ravens fig.

Pipilo maculatus 1



In Canyon

Procyon, Tracks, meadow

fox

Beaver

S. buckleyi

Bassariscus

Sheep

Prosopis juliflora,

Acacia

Acuminaria

Mestran glauca

Opuntia - spinous

Opuntia, - very spiny

Cereus paucispinus

"

"

Echinocactus

Yucca rigida

Yucca macrocarpa - few

Agave reticulata some

" white leaf - some

Fouquieria

Willow

Canes

Baccharis

Ferns

Euphorbia - leafy bush.

~~Croton~~ some



Terlingua Cr. near mouth

June 27-

- *Megascops vocalli*, 1, O.
- *Buteo calurus* 1
- *Agelaius vociferus* com
- *Ardea herodias*, 1
- *Zenaidura* abn.
- *Callipepla squamata* 2
- *Chordeiles texensis* abn.
- *Micropus melanochrous*, com.
- *Petrochelidon* com
- *Stellgodopteryx* "
- *Chelidon* a few.
- *Driobates bairdi* com.
- *Geococcyx californianus* "
- *Coccyzus - yellow bill* - 1
- *Myiarchus cinerascens* com.
- *Pyrocephalus rubinus*, com  
young out,
- *Sayornis saya* incamp.
- " *nigricans* "
- *Vireo bellii*, com.

- *Corvus sinuatus*, com -  
nest in cliff.
- *Molothrus ater?* com.
- *Icterus parisorum* 1
- *Piranga cooperi* com.
- *Perryloxia* "
- *Spinus mexicanus* 15
- *Pooecia cassini*, 1 heard -
- *Amphispiza bilineata* com.
- *Passerina ciris* "
- *Caesodactylus frontalis* "
- *Catherpes* "
- *Heliodiops* "
- *Auriparus flaviceps* "
- *Polioptila caerulea* "
- *Mimus polyglottos* "



Terlingua Creek at mouth.

June 26-

*Populus monilifera*

*Salix nigra*;

*Prosopis juliflora* - com.

*Acacia constricta* com.

" (355) "

" (360) "

*Condalia*

*Ziziphys*

*Larrea*

*Koeberlinia*

*Ephedra*

"

*Baccharis*

"

*Fouquieria*

*Porteria angustifolia*

*Mossinia*

*Agave pectinantha*

" white leaf

*Yucca stricta*

*Yucca macrocarpa*

" *rigida* - in canyon.

*Dasyleria* - in canyon.

*Ceanothus* spineless

" long spined -

" *engelmanni*

" short flower spikes

" *leptocaulis*

*Echinocactus longispinus*

" *flat* spines

*Cercus parviflorus*

" *aculeatus*?

*Petalio*

*Mammillaria*

*Ungadia speciosa*, com.

*Siliginella*

*Euphorbia* *frut.*

*Driftex* canyon.

" *confertifolia*

" *vittalii*

*Suaeda*

*Lepidium*



Camp - Mouth of Terlingo Cr. 3100  
June 29  
(Terlingo Cr.  
10 miles up - Camp 3200

July 1 Camp 8 AM

Doby Walls Camp 3900

July 2 Doby Walls 2900  
big basin flat  
Well Dancers camp 12 mi.

Lunch camp 13 mi. 4350

Orn. mesa 4600

Microrhamnus

Dasylirion

Yucca rigida

Spizella 1

Corvus cryptoleucus com

Sturnella hooksi com

Butcher Knife Ranch 10 mi. 4550

Camp - 6 mi. on 4700

Chordeiles harrisi com

July 3 Camp 9 AM. 4650

Big flat 4900

Poelaetes 2

Harporhynchus 2

Pipilo megalonyx

End of Laramie - Lower Laramie

Creek - 5000

Populus monophylla

Celtis

Sapindus

Juglans rupestris

Grape

Juniperus virginiana

Oaks - 3

Camp for lunch 14 mi. 5325

Mimosa biuncifera

Camp 20 mi. 5600

July 4 Camp. 1 PM. 5600

Summit 6300

Camp 5750



July 5 Camp 7:30 5500

Alpine 4 mi. 5200  
" altitude (4482)

July 6 - Lft Alpine 4 P.M.

Camp - 8 mi.

July 7 up Mesquing Canyon

- Quercus 2
- Juniperus
- Arbutus
- Juglans rupestris
- Minasa binnifera
- Acacia constricta - scarce
- Prosopis juliflora
- Sophora secundiflora in rocks
- Populus monilifera
- Salix nigra ?

" " " silvery  
" " " few

• Unguadia

Argemone

Datura

Devil's horns

Asclepias

July 8 Limpia Canyon

• Quercus - visins ?

• " - " ?

• Juglans rupestris

• Populus monilifera

• Salix nigra

• " " silvery leaf.

• Celtis

• Chilopsis

• Sapindus 1 tree

• Bacccharis

• "

• Minasa binnifera

• Prosopis juliflora - a few

• Yucca, like neorococha

• Yucca stricta

• Dasitiron a few

• Nolina texana

• Unguadia

• Berberis trifoliata, a few

• Apocynia refusa ? a few

• Fallugia - in wash

• Philadelphus

• Gilia - cardinal



July 8 Camp at Ponder 5000

up canyon.

Pinus echinatis top 5300

Pinus ponderosa a few at 5500

Juniperus pachyphloea a-top

Quercus (laevis) a "

Prunus a few a - 7000

Rhus trilobata "

Opuntia fine spurs a-top

Cercus paniculatus "

" "

Verbena texana 7000

Cercocarpus parvifolius a-top

Ceanothus a - 7000

~~Upper Camp 6000~~

~~up ridge~~

~~Quercus a-top 7000~~

~~Pinus monticola? n.s. 7000-~~

~~first ridge 7400~~

~~second ridge 7600~~

Quercus grisea? abn top

" emoryi? "

" texensis? at 5500 scarce

July 9 Camp- 5500

up canyon Camp 6000?

Rhus lig 5700-7000

Symphoricarpos 7400

Quercus total scrub. 7000-8000

Pinus monticola? n.s. 7000-top

first ridge 7400

second ridge 7600

Symphoricarpos "

Yucca 8000

Opuntia fine spurs - 8-50

Cercus - "

Thamnos 7000

Vitis "

Fraxinus "

Juglans rupestris in gulch - "

Ptelea trifoliata "

Rhus trilobata 5000-8000

Agave 5700

Mimosa biuncifera - 7000

Cercocarpus parvifolius stop 5500

Cultis, 5500

Morus celtidifolia a few



Davis Mts -

July 8 Prudes Ranch & Ft. Davis

*Tyrannus vociferans*, com

*Mimus polyglottos* "

*Icterus spurius* 1 pair

*Chelidon*

*Petrochelidon*

*Pipilo megalonyx* com

*Colaptes* "

*Salpinctes*

*Sayornis saya*

*Columba fasciata* 7

*Myiarchus cinerascens*

Up Olympia Canyon to 5500 feet

*Aphelocoma* com

*Columba fasciata*, 7 at 5500-

*Psittacus lloydi*, "

*Zenaidura* "

*Oreobates hindii* 2

*Chondestes harrisi*

July 8 Up canyon to 6000 feet

*Melanerpes formicivorus*

*Colaptes cafer* 1

*Thryomanes*

*Sitta aculeata* 1

Golden Eagles 3



up ridge

Parus gambeli at, on 7000.

Psittiparus plumbeus "

Pipilo megalonyx com "

Catherpes aura com

Sialia tuxtedi at road

Micropus melanoleucus com

Melanerpes torquatus 1

Piranga hepatica 1

Falco sparverius 1

Parus atrocristatus 3

Ceryle alcyon

Thryomanes com

Golden eagle (7) 3

Cyanocitta (7)

Spizella "

Pucea (10)

Buteo abbreviatus, + nest in the pine

Icterus parisorum

Piranga cooperi

Catherpes

Salpinctes

July 13 Down to 5500.

Certaux montanus

Patropia cerulea

Junco

July 15 to Ft. Davis

Down to 5500

9 miles

July 16 Down to 5500

Down to 5500

Down to 5500

Down to 5500

Celtis

Lepidopterus

Phlox

Sapindus

Juniperus occidentalis

Populus monilifera

Quercus engelmannii

Salix alba

" nigra

Ulmus



*Euphysa acuminiflora*

*Phaeopus indiglor*

Min-Lsa binisafers

*Boaris* *Willoughby*

Melva

*Asyris*

*Quercus laevis* L.

9. 2. 1874

• V-1 like a stone on

December - 15 m

end of big canyon

*Parasolus* - com.

*Aspidia borealis?*

Задача 1

*Opisio constricta*

*Cinetus arvensis*, in

Amesbury, Mass. 1865

Cathartes 49



Seven Springs

Near Toiyabe, plain

Larrea

Ziziphys

Acaia constricta

" brachylocha

Prosopis juliflora

Koeberlinia

Hemerocallis canescens

Baccharis (upland species)

Ephedra

Baccharis trifoliosa

Larrea tridentata

Baccharis confertifolia

"

Perognathus longirostris

Neotoma micropus

Arctostaphylos

Cercocarpus

Calceolaria

July 17, Toiyabe

to Toiyabe, 25 mi

Prosopis juliflora

Acaia constricta

Mimosa borealis?

Koeberlinia

Larrea

Ziziphys

Atriplex canescens

Chilopsis

Ephedra

Hemerocallis

Baccharis - fast.



Plant Catalogue 1901

No.

320. *Mediana glauca*  
Langtry, May 8,

321. *Euphorbia antisiphilitica*  
not Sanderson,  
leafless, milky,

322. *Yucca monoerma*  
Sanderson

Marathon May 16-

323 *Bouchea*

324 *Bouchea*

325 *Quercus*

326 *Quercus figulorum*?

327 *Ephedra antisiphilitica*

328 *Ziziphus*

328' *Cercis greggii*  
not numbered

*Cathartes aura*

*Z. caudatus*

*Calypso*

*Sphodites*

*Phoradendron texanum*

*Agave*

*Cereus cryptanthus*

*Xanthoxylum*

*Stemodia*

*Chelidonium*

*Lanaria*

*Ceanothus*

*Portulaca*

*Quercus*

*Minerva*

*Progne*

*Passer*

For *Cactus* Nos 18-28

H.C.O. see Catalogue  
of V.B. Nos.

Marathon, Texas, June, 1901



329. *Quercus grisea* - steel

330 *Mimosa*

Pink flower in buds. peels spring.

331 *Yucca rigida*

at 15' S. W. side

332 *Yucca stricta*;

333 *Mimosa biuncifera*

flowers in buds, peels spring

334 *Mimosa biuncifera*

Cottonwood Grove 15 mi. S. of Marathon  
335. *Zeoma stans* May 19.

336 *Krameria canescens*

Boquillas (5 mi. N.)

337. *Lantana*

338. *Coldenia greggii*

339.

340. *Yucca rigida*

good soil. abn. on hills.

341. *Stipa*

good soil, abn. on hills.

342. *Dalea pruriens*

343. *Opuntia prostrata*

344. *Opuntia fragilis*?

Boquillas May 23.

345 *Cercus*? " 29

346. ~~Stipa~~ <sup>*Stipa*</sup> cactus, *Arbutonium* <sup>*picuratus*</sup>

347. *Opuntia*

348. *Opuntia*

349. *Echinocactus*

350. *Echinocactus*



351. *Mammillaria micrantha*

352. *Opuntia* like *leptocaulis*

353. *Forsteria angustifolia*

354. *Nyctea texensis*

355. *Acacia* <sup>*procumbens*</sup> ~~*procumbens*~~

356. *Acacia constricta*?

357. *Lysium*

358. *Zizyphus*

359. *Baccharis*

360. *Arceuthobium*

Ernsts Store, May 31

361. *Opuntia* long spines

Chusca Mts June 1-

362. *Yucca* long tree - a leaf  
+ photo

363. like *Philadelphus*

364. *Lonicera*

365. *Rhamnus purshiana*?

366. *Morus microphylla*

367. *Gilia* bush, red fls

368. *Vitis monticola*

369. *Acer grandidentatum*

370. *Prunus acutifolia*

371. *Garrya lindheimeri*

372. *Zauschneria*



373. Mint bush

374. Clavat's

375. Asclepias vine

376. Pinus edulis or contorta

377. Quercus emoryi  
Hook. & Ar. 511.

378. Pinus

379. Juniperus procera

380. Quercus texana <sup>June 7, 8</sup>  
dark brown bark

381. Quercus grisea - Stul  
light colored bark

382. Pentstemon  
white flowers

383. Tillandsia

Short. on rocks at 4600 feet

384. Quercus undulata - Stul  
Shrub 6-8 ft. by 1-2 ft. bark

385. Pseudotsuga

386. Fraxinus blebby at 8000

387. Malva

388. Cupressus arizonica  
tree 2-4 ft by 8-10.

289. Pinus ponderosa

290. Agave

391. Nolina <sup>nissocarpa</sup> ~~torreyana~~

392. Quercus

293. Gramma

294. Grass



295. *Andropogon*

396. *Condalia* <sup>like big cherry with</sup>

397. *Condalia*

Terlingo

398. *Acacia rehmannii*

~~like corolla~~

Davis Wts

399. *Vitis*

July 9.

400. *Crotonus fenderi*

401. *Quercus* <sup>lobed leaf, divisions</sup>  
*neomexicana*

Shrub or small tree

402. *Quercus* <sup>like lanceolate</sup>  
*hypoleuca* ✓

403. *Symphoricarpos*

404. *Salix* <sup>silvery leaf</sup>

July 7.

405

*inno n onticola*

406. *Rhus-c. lanceolata*

407. *Salix* <sup>like cordata</sup> <sup>July 11.</sup> 9000

408. *Adolphia* <sup>July 11.</sup> *infesta* 6000

409. *Mimosa biuncifera*

July 13.

410. *Opuntia* <sup>fine spines</sup>

411. *Forsteria*  
*Prunus* like bush - ?

412. *Quercus grisea* - <sup>stet</sup>

413. *Agave*

414. *Quercus emoryi* !

415. *Rhus trilobata*

416. *Celtis*



Davis Mts. Tex.

417. *Opuntia*

*diversa arborescens*

in Limpia Canyon, July 16.

418. *Cercis parviflora*?

Quadrup. Mts. Aug. 9, 6900 ft

Photographed



419. *Salix* ~~maria~~ *maria* Aug. 15, 6800 ft

420. *Berberis* *pendula*

421. *Rosa* *glaberrima*

422. *Rhus trilobata* *trilobata*

423. *Philadelphus* *microphyllus*

424. *Chrysothamnus*

425. *Castaleya*

426. *Cercocarpus* *montana*

427. *Quercus undulata* *filida* *strob.*  
Shrub & small tree, serrate leaves, grayish  
brown assil in pairs 8800-

428. *Quercus grisea* - *strob.*  
Shrub or small tree, leaves rigid, blue,  
elliptical, entire, bark gray, acorns stalks

429. *Quercus grisea* - *strob.*  
6500-  
Same as last, another bush -

430. *Quercus grisea* - *strob.* Aug. 19  
Tall shrub, blue, entire leaf, larger  
than last but similar. 6500-

431. *Quercus fendleri*  
Shrub with crenate leaf - 2 feet high -  
7000 - 9000

432. *Quercus* ~~*fendleri*~~ *monspiciensis* - *strob.*  
Shrub or small tree, deep lobed leaves  
Same as 401. 7000 - 9000

433. *Quercus prinoides acuminata*, *S.*  
7000 - 9000

434. *Acer*

435. ~~*Styrax*~~ *Carpinus*

436. *Cercocarpus*

437. *Prunus*



438. Amelanchier

439. Ptelea trifoliata

440. Vitis

441. Berberis ripens

442. Ceonothus

443. Lonicera

444. Appocimum

445. Robinia mexicana

446. Rosa smooth

447. ~~Symphoricarpos~~ <sup>Flagaria</sup>

448. Symphoricarpos

449. Spirea?

450. Solidago

Over next page →

Specty's nest hole, Pecos, July 19

at entrance of burrow -  
many tails & feet of D. caninus,  
young rabbit foot, feet of frogs  
& toads, wing of Texas night hawk,  
pieces of beetles, grasshoppers,  
various insects, many  
scorpions (4 freshly killed)

Pecos, July 19

Amelanchier	140
Stellat	226
Grasshopper	254
Scorpion	273
Centropus	497
Lepus	622
Chordeiles	420a
Specty's	378
Rules	342
Cow	487



Pears July 19.

Prosopis juliflora

Populus monobolpa

Lycium

Atriplex canescens

Suaeda

Stachys

Hibiscus

Larrea - low ridge

450.

451. Zoniera

small

452. Garrya

453. Amelanchier

454. Lysium

454<sup>2</sup>. Rhamnos

455. Eriogonum

456. Solanum potato

457. Saxifraga?

For next number  
See back of book

Carlsbad, NM.

July 19 - 29.

Ardea herodias, com

Agelaius vociferus abn

Zonotrichia melanoleuca 1

Callipepla

Zenaidura

Cathartes

Buteo swainsoni, intense

Bubo

1 + yg.

Spectator

Buteo calurus

Actitis macularia, com

Tringa minutilla, in flocks <sup>July 26</sup>

Agelaius nivosus, 1 July 26

Tyrannus 13, July 25

Himantopus melanoleucus 3

Phalaropus 1

Geococcyx abn.

Phalaenoptilus com

Chordeiles humilis

Ceryle alcyon

Sayornis saya 1



*Myiarchus cinerascens*, com  
*Empidonax*  
*Otocoris* com  
*Sturnella*  
*Coccyus erythrorhynchos*, 1 old nest  
*Icterus persicus* + yg.  
*Xanthocephalus* com  
*Agelaius phoeniceus* com  
*Molothrus ater* com  
*Calamospiza* com  
*Cyanospiza cyris* "  
 " (versicolor?) Siskin  
*Zonotrichia leucophrys* + nest  
*Amphispiza bilineata* + nest  
*Pooecetes gramineus* - a few  
*Vireo solitarius?* Siskin  
*Lanius excubitorides* abu  
*Chelidon* - nest + yg under plank  
*Petrochelidon* com  
*Mimus* abu  
*Heliodites* + old nests  
*Amphispiza* + nests + yg.

## Carlsbad

*Prosopis juliflora*  
*Acacia constricta*  
*Mimosa* com 360  
 " *biuncifera*, abu 409  
*Salvia frutescens* com  
*Microseris* com  
*Ziziphys* abu  
*Tamara* "  
*Berberis triphata* com  
*Rhus microphylla*  
*Baccharis* fine inf  
 " willow leaf  
*Hououia cuneata* upland shrub  
*Salix nigra*  
*Populus monilifera*  
*Juniperus* N.E. slopes  
*Juglans repens*, a few  
*Quercus* on rocks  
*Celtis* a few  
*Morus* 1 N.E. as few  
*Fouquieria* on hills S.  
*Koeberlinia spinosa* abu



*Opuntia engelmannii*

" *raf-* ?

" *dark spinos*

" *arborescens, a few*

" *replicans, com.*

*Mammillaria heydenii* com

" *tall* "

*Cereus*

"

*Echinocactus texensis*

" *horizontalis*

*Yucca b. macrocarpa, com*

" *stricta* abu.

*Agave heteracantha, abu. on rocks*

*Sasilerion, abu on slopes*

*Nolina texana*

• ~~*Gutierrezia*~~ - ?

• *Bigelovia* ? white bush

• *Krameria canescens*

*Cucurbita*

*Satura*

*Distachis*

*Gramma*

*Lunehus*

*Scirpis lucustr*

*Typha*

*Siliatropum currorum*

*Lissium carolinianus?*



Carlsbad

*Lepus texianus*

" *arizonae*

*Spermophilus mexicanus*

*Neotoma micropus*

" *albicula*

*Peromyscus crinitus*

" *sonoriensis* 1

*Onychomys*

Fiber

*Cratogeomys*

*Dipodomys spectabilis*

" *ambiguus*

*Perodipus*

*Perognathus*

*Cynomys*

*Zapus*

*Procyon*

July 29

To town - Carlsbad &  
up to Pump, 3 mi. S.W.

Camp at Pump -

(Carlsbad 3250?)

July 30 Camp - <sup>3300</sup>  
~~3800~~

up Dark Canyon

Entrance of canyon - 8 mi.

Lunch - 12 mi. <sup>3700</sup>  
~~4200~~

Mosby's Spr. 4 mi. 4050

Camp 6 mi. <sup>4100</sup>  
~~4600~~

July 31 Camp <sup>4100</sup>  
~~4600~~

*Cratogeomys* com

*Peristellus* "

*Cynomys*

Cottontail

*Spermophilus grammurus* with

13 walnuts in pouches & fruit

of *Opuntia* & *Rhus* in stomach.

*S. spilosoma* 1 in.

Badger skin at ranch

Procyon skin " "



Lunch at Ranch 10 mi. <sup>4700</sup> ~~5200~~

Quercus 2  
Ceanothus  
Arbutus  
Jasmines <sup>virginianus</sup> ~~pachyphloea~~  
Cercocarpus little bush  
Garrea  
Pinus edulis <sup>N.E.</sup> ~~6000~~ <sup>5500</sup>  
Juniperus pachyphloea  
Pinus ponderosa in gulches <sup>6000</sup> ~~6200~~  
Agave fig, <sup>6000</sup> ~~6200~~

Camp - 40 mi. W. of Castle Rock <sup>6000</sup>  
15 mi. E. of summit <sup>6300</sup>

Aug 7 Left Goat Camp 6000  
W. 5 miles,  
Camp near Mrs. Owens 6200  
Down Sitting Bull Canyon

Aug. 8

Pinus ponderosa com  
" edulis  
Juniperus pachyphloea abn  
" occidentalis com  
Quercus grisea  
" emoryi ?  
" prinoides, in gulches  
" ? seal bark shrub  
" "  
Acer grandidentatum in gulches  
Arbutus com  
Sapindus 1 tree at 6100  
Vitis - abn in gulches  
Garrea com.  
Rhus fig  
Rhus trilobata  
Philadelphus microphylla  
Cercocarpus parvifolius  
Ceanothus  
Mimosa biuncifera  
Dalea



Agave big, com.  
 Yucca rupicola? "  
 " stricta "  
 Nolana texana "  
 Dasylirion on lower slopes  
 Opuntia arborescens, com.  
 Opuntia ref? "  
 Cereus brown spurs  
 " paucispinus? com.  
 Mammillaria hyderi?  
 Berberis pinnatifida?  
 Ptelea - in gulch

at Queens  
 Aug. 9, Camp, 8 am. 6900  
 Lyasium pallida?  
 Summit - 6900  
 Down Dog Canyon to 6100  
 Up Dog Canyon to 6700

In Dog Canyon to El Paso Gap  
 Fouquieria on hot rocks 6500  
 Agave heteracantha, to 6500 on hot rocks  
 Rhus microphylla,

Up Dog Canyon  
 Juniperus pachyphloea com -  
 " monosperma, less com.  
 Pinus edulis 6100-8500  
 Pinus ponderosa 6700-8500  
 Pseudotsuga 7000-9000  
 Pinus monticola 7500-  
 Quercus grisea 6500-  
 " " (shrub?)  
 " " (401)  
 " "  
 " " prinosides



Aug. 11

Camp in Log Canyon <sup>8<sup>am</sup></sup> 6550

Spring 6900

Peak 8500

Aug. 12. Camp at Rock tank 6700

Top of ridge 8400

McKitterick Canyon 7400

" flat 7800

*Acer grandidentatum*

*Butula* 7000-

*Amelanchier alnifolia* 7000-

*Rhamnus purshiana* 7000-

*Cercocarpus parvifolius* 6500-

" big leaf 7000-

*Rosa* Dog Canyon  
fuzzy calyx  
McKitterick

" smooth calyx

*Garrya* 7800-8500

*Ceanothus* 6800-8500

*Philadelphus microphyllus* 6800-8500

" *sempervirens*?

*Lonicera* 7000-

"

*Robinia* 7000-8000

*Ptelea trifoliata* 7000-

*Rhus aromatica*! 6100-8500

*Berberis <sup>toxicodendron</sup> fucellieri*? 6500-7000

" *repens*

*Agave* big 6500-8500

*Dasyphrian* 6500-8000

*Nolina* 6800-8500

*Yucca rupicola*? 6100-8500

" *stricta* 6800

*Opuntia* *raf.*?

*Cereus paucispinus*

" brown spines

"

*Mammillaria micromeris*

" *hyderi*

"

*Lonicera*

*Fragaria* 7800-8500

*Linum perenne*

*Companula*

*Oenothera speciosa*  
yellow



*Gutierrezia*  
*Mirabilis*  
*Portulaca*  
*Crotalaria*  
*Malvastrum*  
*Castalia*  
*Convolvulus*  
*Oxalis*  
*Chrysanthemum*  
*Arbutus*  
*Pentstemon barbatus*  
*Gilia longiflora*  
*Linum purpureum*  
*Clematis*  
*Allium*  
*Fritillaria*  
*Eriogonum*  
*Helianthus annuus*  
*Helianthella*  
*Gerardia*  
*Berlandiera*  
*Artemisia ludoviciana*  
*Cucurbita*

practical notes.

*Totanus melanoleucus* com. at 6200  
*Totanus solitarius* a few at 4  
*Actitis macularia* " "  
*Agelaius* com. "  
*Phalaropus* 15 at 7800  
*Cyrtonyx* 2 at 6000. com at 6800  
*Melospiza* 1 at 6000  
*Calipepla* Big Canyon to 5800  
*Zenaidura*  
*Columba fasciata*  
*Cathartes aura*  
*Buteo borealis*  
" *abbreviatus* (Swainson)  
" *swainsoni*  
*Falco sparverius*  
*Accipiter velox* 2  
*Bubo* in Sitting Bull Canyon  
- feathers & nest  
*Syrnium* 1 feather in McKittrick  
*Thalassidroma forsteri* com  
*Dryobates bairdi* com  
" *bairdi* com  
*Colaptes cafer* com  
*Geococcyx*



*Microtus melanoleucus* com  
*Trichurus platycircus* "  
 " *rufus* "  
*Phalaenoptilus*  
*Chondestes henryi* + yg. com.  
*Myiarchus cinerascens*  
*Tyrannus vociferans*  
*Empidonax difficilis* !  
 "  
*Contopus richardsoni*  
 " *bovatus* 1  
 Progne  
*Petrochelidon*  
*Molothrus ater* - with *P. olivacea* yg.  
*Sturnella hoopesii* com  
*Icterus perisoreus*  
*Piranga hepatica*  
 " *ludoviciana*  
*Habia melanocephala* (a few)  
*Calamospiza*  
*Chondestes*  
*Amphispiza*  
*Spizella arizonae*

*Pucea*  
*Junco*  
*Pipilo megalonyx*  
 " *metoleucus*  
*Astragalinus*  
*Dendroica auduboni*, com  
*Vireo plumbeus* com  
*Psaltiramus Lloydii* com  
*Poliaptila plumbea* "  
*Harpagynchos curvirostris*  
*Minus polyglottos*  
*Merula propinqua*, a few  
*Sialia bairdi* com  
*Sitta aculeata* com  
*Sitta pygmaea* a few  
*Catherpes* + yg. com  
*Salpinctes* + yg. "  
*Zurdus auduboni* Aug. 12 & 20 3 & 1  
*Aptelocoma* com  
*Cyanocitta* a few -  
*Pica* - 2 reported -  
*Aquila chrysaetos* a few



*Corvus sinuatus*, heard  
*Anthus* <sup>heard in McKittrick Aug. 20</sup> *micromelas*  
*Dendroica* <sup>3 shot</sup> *graceae* Aug. 20  
*Tyrannus* heard  
*Contopus borealis* 2 Aug. 21  
~~*Myiarchus*~~ *flammeus* 1 in Aug. 22  
*Wilsonia* 1 Aug. 22  
*Geothlypis nelsoni*, 1 Aug. 22  
*Helminthophila celata* 1 Aug. 24  
*Empidonax wrighti* 1 "

*Fragaria speciosa* collected  
*Liatris* "  
*Solanum* potato "

Aug. 20 Camp 6800  
Mining camp 7100  
Top of ridge 8500  
Camp in McKittrick 7800  
Water " " 7700

*Solidago* 3 species

*Asclepias*

*Convolvulus* 3 species collected

*Symphoricarpos* "

*Spiraea* or *Physocarpus* "

*Cnicus* - white leaves

*Centauria*

*Senecio* snake root

*Fallugia* collected

*Phlox* "

*Allium* "

*Mimobilis* 2 sp. "

*Castilleja* "

*Fritillaria* "



Aug. 25 back to El Paso Gap, 8 mi.

Camp 6800 -

El Paso Gap Camp 6200

Aug. 26, Camp

Through Gap, 12 miles, 5900

Down Dog Canyon 5 mi. 5600

Fouquieria in valley to - 5500

Larrea " - "

Baccharis " - "

Yucca macrocarpa - 5800

Opuntia leptocaulis - 5500

Atriplex canescens - 6100

Lycesium pallida! - "

Rhus microphylla - "

" + viridis in canyon at - 5100

Gutierrezia euthamiae! - 5800

Opuntia arborescens abn. 5200-7000

Agave - big - com 5500-8500

Yucca elata abn - 6800

Dasylirea 6500-7000

Yucca repens - 5500-8500

Nolina 5500-8500

Eurotia divar. 5000-6000

Berberis trifoliata - 5100

Down Dog Canyon Aug. 26

Mimus polyglottos abn. - 5800

Heliodytes " - "

Callipepla 20 yg. at - 5600

Amphispiza bilineata, abn - 5800

Haerporhynchus aurivindus<sup>sm</sup> - 5800

Zenaidura abn - 5600

Chondestes 2 - "

Colaptes auratus abn

Accipiter 1 5600

Pipilo maculatus abn.

Petrochelidon - - 5600

Buteo borealis calurus 1, 5500

Spizella

Pinus

Lanius 2

Sturnus vulgaris 1. 5500

Catherpes 1

Salpinctes

Carpodacus

Dipodomys spectabilis - 5200-5500

Perognathus - - 5500



Aug. 27 Camp 8, 6200,  
 Divide 6900  
 End of ridge 6000  
 Camp (Barlesons) 5300  
 Agave - big - down to 5300  
 Agave - medium - 6000  
 Aug. 28 Camp 9 am 5300  
 3 mi. below 5200  
*Aipodocys spectabilis* "  
*Rodentia* "  
*Larrea* "  
*Acacia constricta* "  
*Prosopis* "  
 Lunch camp, 10 mi. 4800  
*Yucca leptocaulis* - 5000  
*Acacia borealis* - 51  
*Chiopsis* - "  
*Juglans rupestris* - 54  
*Rhus microphylla* - 5300  
*Acacia humilis* - 6700  
*Condalia* - 5000  
*Microseris* - 5500  
*Oroscoptes* com.  
*Bubo* heard  
 Moschis Spr. 18 mi. 4500

Aug. 29 - Moschis Spr. 4500

Camp at pump station 3900

Aug. 30 " " 3600

To Bolles Ranch

Sept. 13, To James Ranch 30 miles east

Sept. 14, Return to Bolles Ranch

Sept. 19, To Pecos 7 AM.

Foyah

Kent

Wild horse

Van Horn

Sierra Blanca - dark

El Paso, 11 P.M.



El Paso Sept. 24.

Rhus microphylla

Farea

Yonquira

Prosopis juliflora  
" pubescens

Acacia constricta

Kobordia

Lycium berlandieri in woods  
" carolinianum on flats

Zizyphus

mint bush, Zippia?

Urena stans

Yucca baccata "Amole"

" macrocarpa

" elata east of town

Dasylirion on a slope

Agave mitracantha down river

Opuntia engelmanni?

" brown spined

" adpressens

" leptocaulis

Hemizonia canescens

Cereus paucispinus on rock

" amacanthus 1 bunch on rock

"

Mammillaria

"

Echinocactus texensis

" horizontalis?

" wislizeni? big -

Boerhaavia sabulosa

" tomentosa

"

Eranda suffruticosa

Solidago

Aster

Helianthus

Populus monophylla

Salix nigra?

"

Atriplex canescens

Ephedra, big green

" blue



Sept 27,

Left El Paso. at 9:15 P.M.

Via Santa Fe for home

Sept 28 -

Daylight in open valley  
near Las Lunas

Albuquerque, 7:10 A.M.

all upper Sonoran

*Atropa canescens*.

" *confertifolia*

*Sarcobatus*

*Bignonia*

Sunflowers

*Pebbles* + Indians

Waldo -

Junipers + grass

Larrea

Junipers

*Pinus edulis* in pools

up creek canyon,

*Pinus ponderosa*

*Pinus strobus*

Oaks + *Populus angustifolia*

A wide strip of transition -

Down long grade to  
Las Vegas - out on plains  
Mts. to west, over ridge  
of nut pine + juniper, across  
gulches + canyons of yellow pine  
but mostly grassy plains.

Raton at dark

Sept. 28

Daylight near Dodge City

Dark at Kansas City.

Sept. 29.

Chicago 7:40 A.M.

Dark atiffin Ohio.

Sept. 1.

Cumberland breakfast

Washington D.C. 12



1901

Pecos Valley near Texas line. Sept. 19.  
459A. *Gutierrezia*? tall

459B. *Gutierrezia*?

459C. *Baccharis*!

459D. *Cinicus vigintioris*?

459E. *Atropis canescens*

See next page for  
463: -1-

# Plant Catalogue

1901

458. *Yucca macrocarpa*  
Carlsbad, N.M. July 30.

459. *Yucca glauca*  
30 mi. S. of Carlsbad.  
Sep. 15, 1901.

460. *Locoweed* -  
Chisos Mts. Tex. June 13, 01.

461. *Yucca* leaf  
Sierra Blanca, Tex.

462. *Yucca* leaf  
Sierra Blanca,

463. *Yucca* leaf  
Guadalupe Mts. N.M.

464. *Salix*  
El Paso, Tex Sep. 25



1901.

465. *Salix*

El Paso, Tex. Sep. 25.

465A. *Solidago*

465B. *Acacia constricta*

465C. *Lycium*

465D. *Indigofera*?

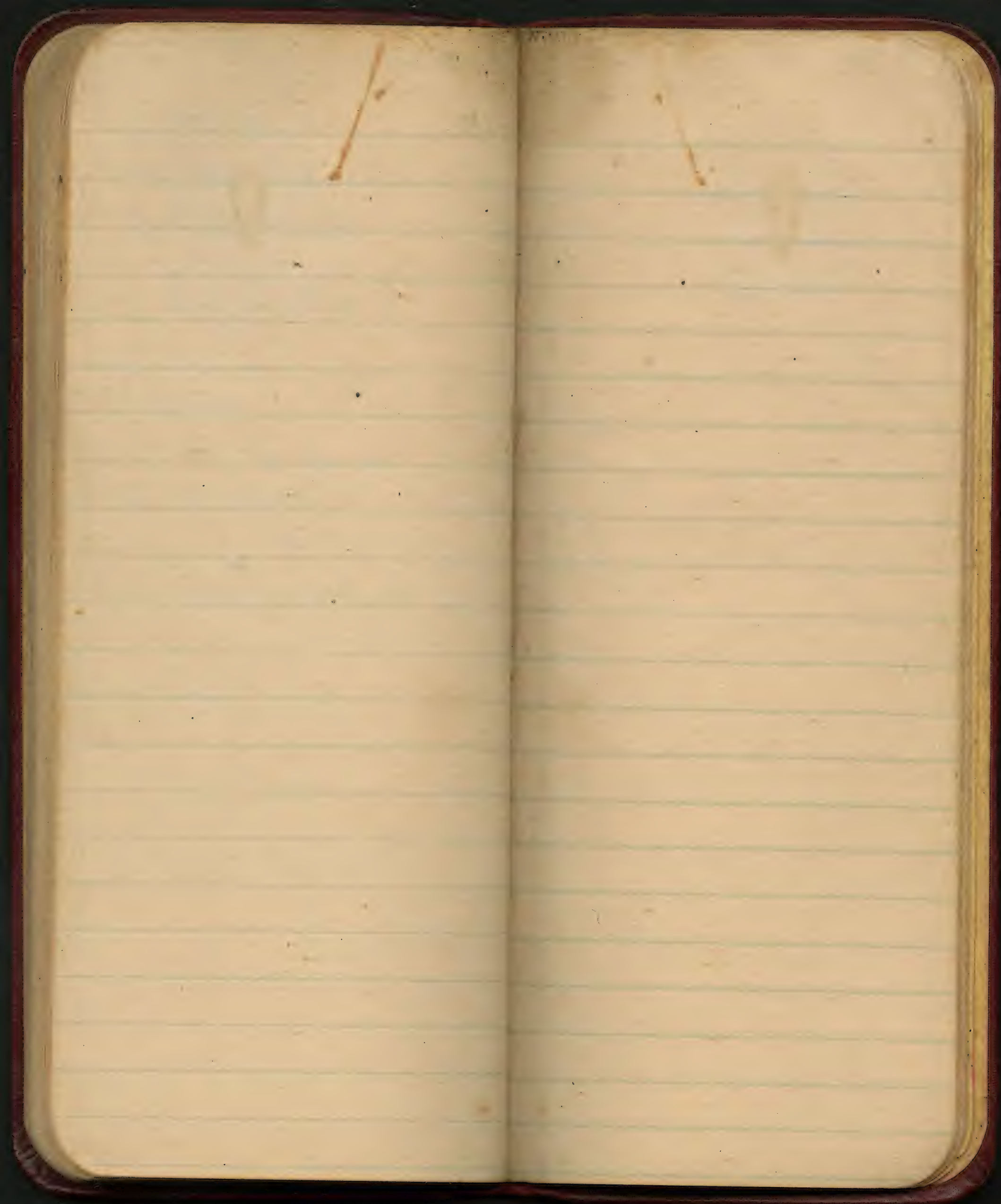
465E. *Baccharis salicifolia*?

Guadalupe Mts. N.M.

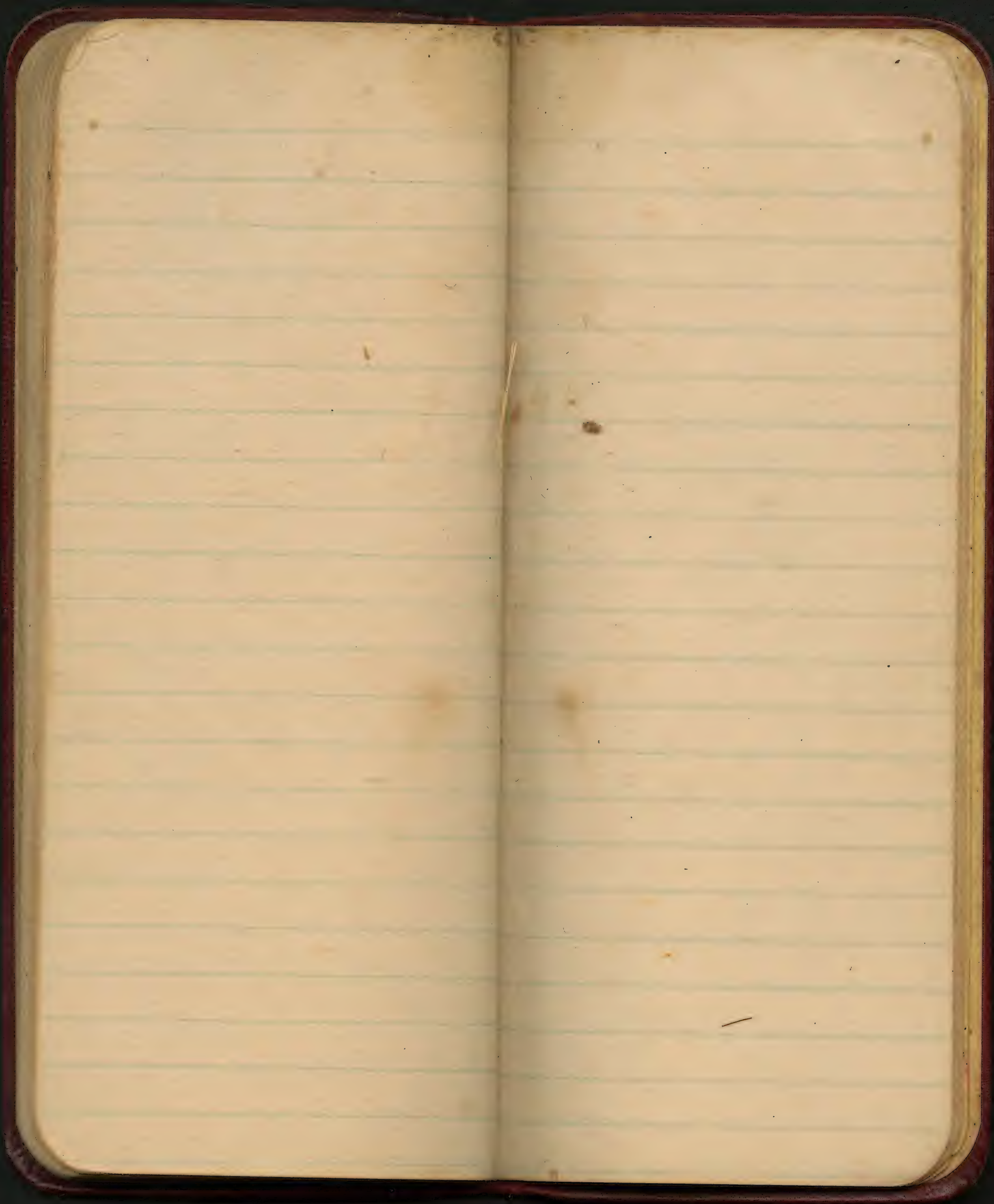
Aug. 22 + 24.

465.1

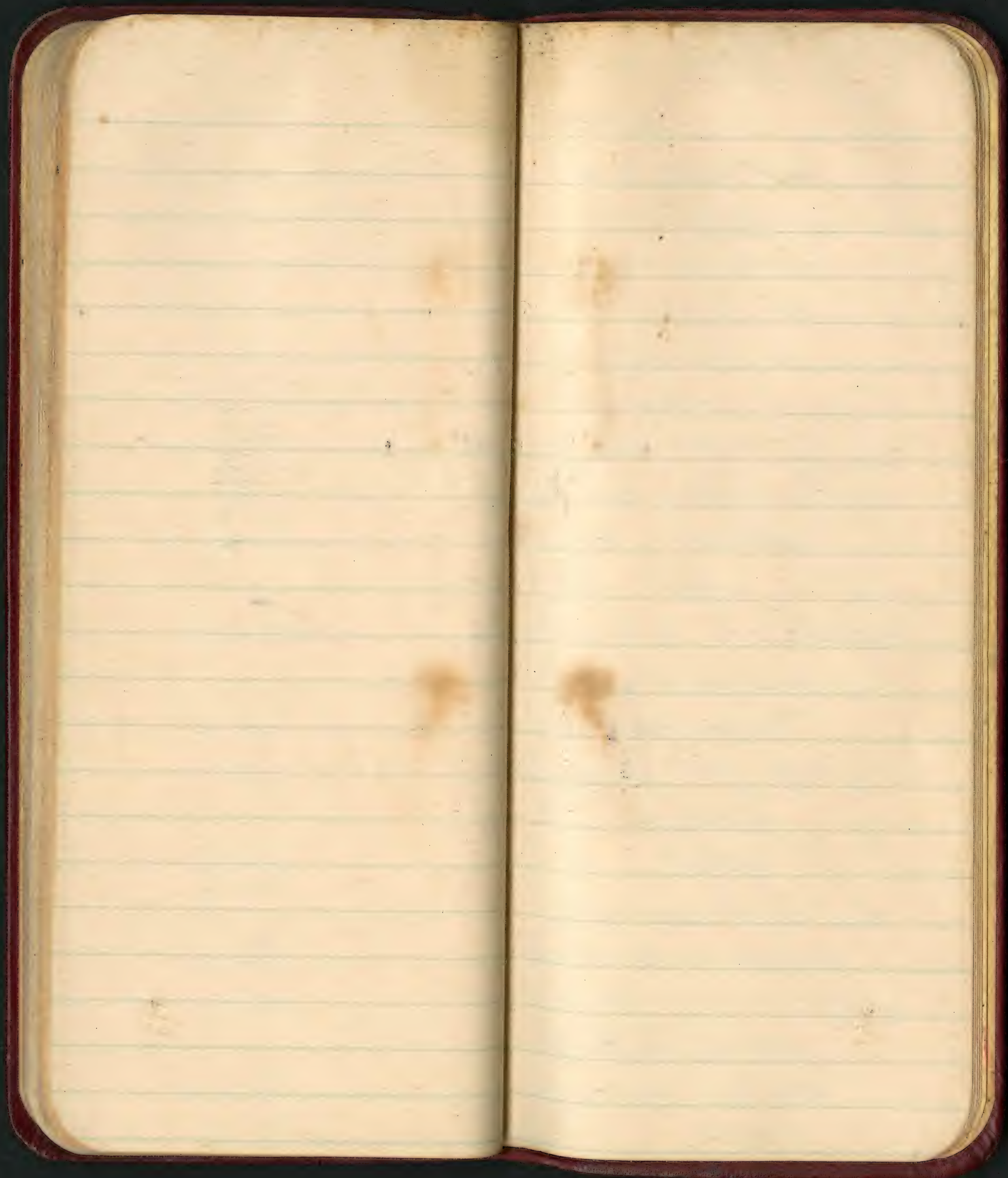














Birds Collected

Marathon

- *Zonotrichia querula*
- *Horizopus richardsoni*
- *Carpodacus m. obscurus*
- *Otocoris a. arizonae*
- *Oreospiza chlorura*
- *Calamospiza*
- *Spizella breweri*
- *Guiraca c. lagula*
- *Pipilo f. mesoleucus*
- *Pueria cassini*
- *Amphispiza b. deserticola*
- *Dendroica auduboni*
- *Empidonax wrighti*
- *Zenaidura macroura*
- *Wilsonia pusilla*
- " (pilulata?)
- *Empidonax traillii*
- *Hylachia n. swainsoni*
- *Dendroica a. werreana*
- *Hylachia almae*
- *Sayornis nigricans*
- " *o. o. o.*



- *Sinus n. notabilis*
- *Nuttallornis borealis*
- *Corvus cryptoleucus*
- *Myiarchus cinerascens*
- *Piranga ludoviciana*
- *Icterus bullocki*
- *Molothrus ater*
- *Vireo g. swainsoni*
- *Chordeiles a. texensis*
- *Vireo pusillus*

50 mi. S. of Marathon

- *Corvus c. sinuatus*

Mc Kinney Spr.

- *Icterus prairie*
- *Poliophtila plumbea*

Bogwiler

- *Pyrrhuloxia s. texana*
- *Amphispiza bilineata*
- *Cyanospiza cyris*
- *Icteria v. longicauda*
- *Callipepla squamata*
- *Petrochelidon lunifrons*
- *Pyrrhuloxia sinuata*

*Vireo s. plumbeus*

*Piranga rubra*

Chisos Mts

- *Lanius excubitorides*
- *Cyrtonyx montezumae*
- *Parus atricristatus*
- *Aphelocoma (potsamii?)*
- *Dryobates borealis*
- *Callipepla cluensis*
- *Amphispiza bilineata*
- *Psittiparus m. lloydi*
- *Columba fasciata*
- *Melanerpes formicivorus*
- *Piranga hepatica*
- *Poliophtila carolinensis*
- *Xanthocephalus a. scottii*
- *Quercus laevis*
- *Pipilo l. (intermedius?)*
- *Colaptes auratus*
- *Troglodytes aedon*
- *Amphispiza b. (grisea?)*
- *Thryomanes b. eximius*
- *Elanoides forficatus*



May 7

1. Pump Canon, Cave high up  
Retiro Sec. Sunlight - 4 P.M.  
132, 1 sec.
2. Same in bottom of canon  
d 16,  $\frac{1}{4}$  sec. with trees
3. Cliff + high cave by Rio Grande  
160,  $\frac{1}{2}$  sec.

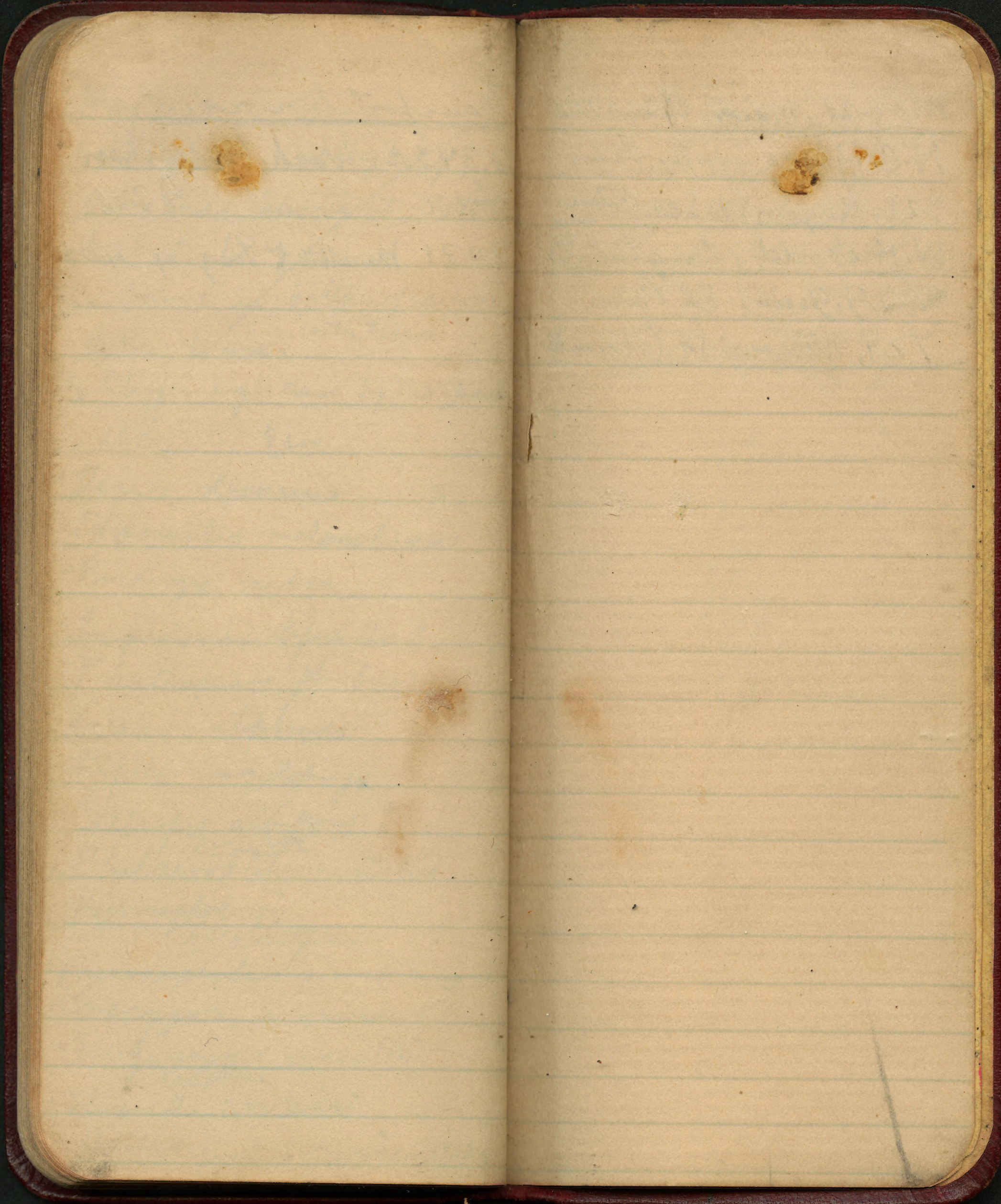
- *Taio divacius*
- *Agelaius melanoleucus*
- *Piranga rubra*
- *Empidonax difficilis?*
- *Psittacus plumbeus*
- *Vireo h. stephensi*
- *Pipilo megalonyx*
- *Catherpes albigularis?*
- *Phalaenoptilus nuttallii*  
~~*Pyrocephalus*~~  
*Leringo*
- *Pyrocephalus r. mexicanus*
- *Coccyzus americanus*
- *Uegaseps uicallii*  
~~*Alphus*~~
- *Sturnella hoopsii*
- *Harporhynchus curvirostris*

Transportation orders

No. 3430 - Wash. to Marathon  
Fare

3431 Marathon to Tangier 4.00







Moore, n. side Chisos Mts.

H.C. Glaze - for Tex. Fauna

226, Ragsan St. San Antonio

W.H. Dodd, Langtry, Tex.

Sam. J. Green, El Paso.

721, Missouri St. (at Sierra Blanca)

Deer, June 3, ♀

Green foliage + seeds + berries,  
leaves + pods + seeds of *Ocotea*  
(no ) with big pods.

A lot of ripe berries of *Rhus microphylla*  
Leaves + capsules of *Penstemon*,  
Oak leaves (a few), leaves of other

little plants, no grass.

1390 x 210 x 390 ♀

415 x 60 x 90

RD 466

146

146

137

106

146

147

1009



Jack, B. 640 x 900

A. L. Lemons <sup>bought January</sup>  
Marathon

Homer Cochran <sup>bought</sup>  
Marathon - <sup>Fiddlers</sup>  
or J. M. Newcomb

F. L. Kuller, Austin  
706 - West 4<sup>th</sup> St.

M. A. Ernst, Boguillas

Joseph Sitter, Boguillas

H. W. Ruwolds, Alpines

G. H. Reed, Carlsbad  
<sup>Goat herder, on Mta.</sup>

R. H. Wright, Carlsbad

W. M. McEwan  
Carlsbad

Albert Gonzalez  
Ysleta

Ernst - V.K.  
1335, Waller Place.

3313, R. Judd

Mrs. Chapman  
1827, 2

\$28.85 Ernst

635 x 90 x 130, 8 fork

370 x 40 x 85, 3 collared

200 x 96 x 20 6 Thompson

620 x 85 x 150, 2 fork

330 x 140 x 51, 8 in. S. 9 in.

Bowles Ranch, 5 mi. S. of Carlsbad

Wm. McE. Lusk

410 x 195 x 55, 3 in.

E. A. Merry, Stereographer

1416 - 7

Hewell - 3655 - 13<sup>th</sup>



